

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Kuo Yi-Lung

APPLICATION NO.:

10/783,953

FILING DATE:

February 20, 2004

TITLE:

Fan for Cooling a Computer

EXAMINER:

Devin J. Hanan

GROUP ART UNIT:

3745

ATTY. DKT. NO.:

23724-07790

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below:

Dated:

Hulse, Reg. No.: 48,473

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

within three months of the filing date of the application, or date of entry into
the national stage of an international application, or before the mailing date of
a first office action on the merits, whichever event last occurred;
before the mailing of a first official action after the filing of a request for
continued examination (RCE) under 37 CFR § 1.114;

8

	after th	hree mo	onths of the filing date of this national application or the date of					
	entry (of the na	ational stage in an international application, or after the mailing					
	date of	f the fire	st official action on the merits, whichever event last occurred, but					
	before	the ma	iling date of the first to occur of either: (1) a final action under					
	37 CF	R §1.11	3; or (2) an action that otherwise closes prosecution in the					
	applic	ation, ai	nd:					
		attacl	attached hereto is the fee set forth under 37 CFR §1.17(p) for					
		subm	ission of this Information Disclosure Statement under 37 CFR.§					
		1.97(c); OR					
		Appli	icant certifies pursuant to 37 CFR § 1.97(e) that:					
	•		each item of information contained in this Information					
			Disclosure Statement was first cited in a communication from					
			a foreign patent office in a counterpart foreign application not					
		•	more than three months prior to the filing of this Statement;					
			OR o					
			no item of information contained in this Information					
			Disclosure Statement was cited in a communication from a					
			foreign patent office in a counterpart foreign application and,					
			to the knowledge of the person signing this certification after					
			making reasonable inquiry, no item of information contained					
			in this Statement was known to any individual designated					
			under 37 CFR § 1.56(c) more than three months prior to the					
			filing of this Statement;					
\boxtimes	on or	before	the payment of the issue fee but after the mailing date of the first					
	to oc	cur of e	ither: (1) a final action under 37 CFR § 1.113; (2) a notice of					
	allow	ance ur	nder 37 CFR § 1.311; or (3) an action that otherwise closes					
	prose	cution i	in the application, and:					
	\boxtimes	Appl	icant certifies pursuant to 37 CFR. § 1.97(e) that:					
			each item of information contained in this Information					
			Disclosure Statement was cited in a communication from a					
			foreign patent office in a counterpart foreign application not					
			more than three months prior to the filing of this Statement;					
		\boxtimes	no item of information contained in this Information					
			Disclosure Statement was cited in a communication from a					
			foreign patent office in a counterpart foreign application and,					
			to the knowledge of the person signing this certification after					
			making reasonable inquiry, no item of information contained					

under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND \boxtimes attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR.§ 1.97(d); OR after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. , filed on , and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d). This application was filed after June 30, 2003. Therefore, pursuant to the waiver of \boxtimes the requirements under 37 CFR 1.98(a)(2)(i), copies of each U.S. Patent and each U.S. Patent Application Publication are not required to be submitted. Copies of any foreign patent documents and non-patent literature cited herein are enclosed. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d). Applicant submits that no fee is required for the consideration of this Information \boxtimes Disclosure Statement. Consideration of the listed references and favorable action are solicited. Respectfully submitted, **KUO YI-LUNG** Dated: Oct. 21, 2005 Robert A. Hulse, Reg. No.: 48,473 Fenwick & West LLP Silicon Valley Center 801 California Street Mountain View, CA 94041

in this Statement was known to any individual designated

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Tel.: (415) 875-2444 Fax.: (650) 938-5200

Approved for use through 10/31/2002. OMB 0651-0031
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Substitute for form 1449A/PTO Complete if Known Application No. 10/783,953 FORMATION DISCLOSURE Filing Date February 20, 2004 STATEMENT BY APPLICANT **First Named Inventor** Kuo Yi-Lung Art Unit 3745 **Examiner Name** Devin J. Hanan Sheet 2 **Attorney Docket Number** 23724-07790 of

			U.S. PATE	NT DOCUMENTS
		Document No.		
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-6,813,149	11-02-2004	Faneuf et al.
	A2	US-6,525,936	02-25-2003	Beitelmal et al.
	А3	US-6,459,576	10-01-2002	Bhatia et al.
	A4	US-6,418,018	07-09-2002	Lo
	A5	US-6,407,916	06-18-2002	Konstad
	A6	US-6,299,408	10-09-2001	Bhatia
	A7	US-2001/0030851 A4	10-18-2001	Usui et al.
	A8	US-6,330,155	12-11-2001	Remsburg
	A9	US-6,134,108	10-17-2000 .	Patel et al.
	A10	US-6,094,347	07-25-2000	Bhatia
	A11	US-6,094,345	07-25-2000	Diemunsch
	A12	US-6,034,870	03-07-2000	Osborn et al.
	A13	US-5,982,616	11-09-1999	Moore
	A14	US-5,964,279	10-12-1999	Mochizuki et al.
	A15	US-5,934,368	08-10-1999	Tanaka et al.
,	A16	US-5,701,231	12-23-1997	Do, et al.
	A17	US-5,691,883	11-25-1997	Nelson
	A18	US-5,684,674	11-04-1997	Yin .
	A19	US-5,600,538	02-04-1997	Xanthopoulos
	A20	US-5,586,865	12-24-1996	Yin
	A21	US-5,505,533	04-09-1996	Kammersqard, et al.
	A22	US-5,473,507	12-05-1995	Schwegler, et al.
	A23	US-5,446,619	08-29-1995	Madsen, et al.
	A24	US-5,390,734	02-21-1995	Voorhees et al.
	A25	US-5,270,572	12-14-1993	Nakajima et al.

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Farm of	Substitute for t	iorm 1449.	A/PTO	Complete if Known				
INIEO	Dra ation	פוח ו	CLOSURE	Application No.	10/783,953			
				Filing Date	February 20, 2004			
STATEMENT BY APPLICANT				First Named Inventor	Kuo Yi-Lung			
				Art Unit	3745			
				Examiner Name	Devin J. Hanan			
Sheet	2 .	of	2	Attorney Docket Number	23724-07790			

	U.S. PATENT DOCUMENTS							
	Document No.							
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document				
	A26 US-4,643,245 02-17-1987 Smoot, III, et al.							
	A27 US-2,948,518 08-1960 Kraus							

			FOREIGN PATENT I	DOCUMENTS	
		Foreign Patent Document		···	
Examiner Initials*	Cite No. ¹	Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

		OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, senal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T [®]
	C1	ÇENGEL, Y., Heat Transfer: A Practical Approach, McGraw-Hill, 1998, p. 905, p. 167.	
	C2	Intel ATX Specification 2.01, Section 1, 1996, pp. 1-27.	
	СЗ	STEINBERG, D., Cooling Techniques for Electronic Equipment, John Wiley & Sons, Inc., 1991, p. 158, p. 233.	
	-		
		•	

Examiner Signature	Date Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



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Constant of the Constant of th	App	olication Number	10/783,953		
,	Filir	ng Date	February 2	0, 2004	
TRANSMITTAL FORM	Firs	t Named Inventor	Kuo Yi-Lung		
(to be used for all correspondence during pendency of filed application)	Gro	oup Art Unit Number	3745		
· •	Exa	nminer Name	Devin J. Ha	anan	
Total Number of Pages in This Submission 6*	Atto	orney Docket Number	23724-0779	90	
ENCLOSURES	(cl	heck all that apply	<i>'</i>)		
Fee Transmittal Form (in duplicate) Check Enclosed Return Receipt Postcard Response to Notice to File Missing Parts Assignment & Recordation Cover Sheet Declaration Power of Attorney Application Data Sheet Supplemental Information Disclosure Statement & PTO/SB/08A Copies of IDS Cited Non-Patent Referent Request for Corrected Filing Receipt Request for Correction of Recorded Assignment Amendment/Response: [] Page(s) After Final Status Request Revocation and Substitute Power of Attorney REMARKS: *Page count does not include cited reference		Issue Fee Transr Letter to Chief Dr Formal Drawing(s	raftsperson s): c) of Figure(s) [ication to Board ication to Group Brief, Reply Brief Priority Docume	of Appea of ef) ent(s)	
	ATI	ORNEY OR AGE	NT		
Attorney/Reg. No.: Robert A. Hulse, Reg. No. 48,47	3		Dated:	oct.	21 2005
		OF MAILING	1	76.1.	<u></u>
CERTIFICATE OF MAILING I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addresses" service pursuant to 37 CFR 1.10					
Signature:	W		·		
Typed or Printed Name: Robert A. Hulse		•	Dated:	Oct.	21,2005

OLI 2 4 2005

for FY 2005

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 180.00

	Complete if Known				
Application Number	10/783,953				
Filing Date	February 20, 2004				
First Named Inventor	Yi-Lung Kuo				
Examiner Name	Not yet assigned				
Art Unit	3745				
Attorney Docket No.	23724-07790				

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)							
☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None ☐ Deposit Account:		3. ADDITIONAL FEES							
Deposit Account Number	19-2555	Large I	Entity	Small	Entity	Fee Description	Fee Pald		
Deposit Account Name	Fenwick & West LLP	Fee Code	Fee (\$)	Fee Code	Fee (\$)				
The Commissioner is authorized to: (check all that apply) ☐ Charge fee(s) indicated below ☐ Credit any overpayments		1051 1052	130 50	2051 2052	65 25	Surcharge - late filing fee or oath or declaration Surcharge - late provisional filing fee or cover sheet			
Charge all required fee(s) or any underpayment of fee(s) due under 37 CFR §1.16 or §1.17 during the pendency of this application		1053 1812	130 2,520	1053 1812	130 2,520	Non-English specification For filing a request for ex parte reexamination			
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1804 1805	920* 1,840*	1804 1805	920* 1,840*	Requesting publication of SIR prior to Examiner action Requesting publication of SIR after Examiner action			
		1251	120	2251	60	Extension for reply within first month			
1. BASIC FILING FEE		1252	450	2252	225	Extension for reply within second month			
Large Entity Small Entity		1253	1020	2253	510	Extension for reply within third month			
Fee Fee Fee	Fee Description Fee Paid	1254	1,590	2254	795	Extension for reply within fourth month			
Code (\$) Code (\$)		1255	2,160	2255	1,080	Extension for reply within fifth month			
1001	Filing Fee	1401 1402	500 500	2401 2402	250 250	Notice of Appeal Filing a brief in support of an appeal			
		1402	1000	2403	500	Request for oral hearing			
		1451	1,510	1451	1,510	Petition to institute a public use proceeding			
		1452	500	2452	250	Petition to revive - unavoidable			
SUBTO	(\$)	1453	1,500	2453	750	Petition to revive - unintentional			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1501	1,400	2501	700	Utility issue fee (or reissue)			
Extra Claims Fee from Fee Paid below		1502	800	2502	400	Design issue fee			
Total Claims -20**=	x =	1503	1100	2503	550	Plant issue fee			
Independent -3** =	x =	1460	_	1460	_	Petitions to the Director			
Multiple Dependent		1807	50	1807	50	Processing fee for Provisional Applications			
Large Entity Small Entity		1806	180	1806	180	Submission of Information Disclosure Stmt	180		
Fee Fee Code (\$)	Fee Description	8021	40	8021	40	Recording each patent assignment per property (times number of properties)			
1202 50 2202 25	Claims in excess of 20	1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))			
1201 200 2201 100	Independent claims in excess of 3	1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))			
1203 360 2203 180	Multiple dependent claim, if not paid	1801	790	2801	395	Request for Continued Examination (RCE)			
1204 200 2204 100	**Reissue independent claims over original patent	1802	900	1802	900	Request for expedited examination of a design application			
1205 50 2205 25 **Reissue claims in excess of 20 and over original patent			Other fee (specify)						
· SUBTO	ΓAL (2) \$					SUBTOTAL (3) (\$) 180.	00		
or number previously paid, if greater; For Reissues, see above		•Reduc	ed by Basi	c Filing F	ee Paid				

SUBMITTED BY			Complete (if applicable)		
Name (Print/Type)	Robert A. Hulse	Registration No. (Attorney/Agent) 48,473		Telephone (415) 875-2444	
Signature	PlutA	. IM	Date .	October 21, 2005	